

Summary of the Claimed Subject Matter:

The invention relates to an aircraft skin lap router apparatus (page 5, lines 1-2). The apparatus includes a guide that is fastened to the skin by fasteners drilled through the skin (page 5, lines 2-4; page 6, lines 15-16; Fig. 8). A platform is mounted on the guide, and a router has a vertical adjustment and is mounted on the platform (page 5, lines 6-7; page 5, lines 15-16; page 9, lines 5-12; Figs. 6-8). A vacuum fitting is mounted on the platform (page 6, lines 6-8; Fig. 8). When an operator adjusts the router vertical adjustment for a desired depth-of-cut on the aircraft skin lap, the router cuts the skin lap, and removes debris via the vacuum fitting (page 5, lines 25-29; page 6, lines 6-10).

According to another aspect of the invention, the operator adjusts the router vertical adjustment for a desired depth-of-cut and moves the platform continuously along the guide to make a desired cut (page 5, line 30-page 6, line 3; Fig. 7).

According to another aspect of the invention, an aircraft skin lap router apparatus includes a nylon guide fastened to the skin by fasteners drilled through the skin (page 5, lines 1-5). A platform is mounted on the guide and interfaces with the guide through at least one bearing (page 5, lines 6-7; page 6, lines 3-5; Fig. 8). A router has a vertical adjustment within one-thousandth of an inch and is mounted on the platform (page 9, lines 6-12; Figs. 6-7). The router has at least two hand grips and a speed adjustment and is adapted to receive a source of power (page 5, lines 7-9; page 5, lines 12-14; Fig. 8). An end mill is mounted removably on the router (page 5, lines 9-11; page 9, lines 13-15). A vacuum fitting is mounted on the platform (page 6, lines 6-8; Fig. 8). When an operator adjusts the router vertical adjustment for a desired depth-of-cut on the aircraft skin lap, the router cuts the skin lap, and removes debris via the vacuum fitting (page 5, lines 25-29; page 6, lines 6-10).

According to another aspect of the invention, a sheet metal router apparatus includes a nylon guide fastened to the sheetmetal by fasteners drilled through the sheetmetal (page 8, lines 3-14). A platform is mounted on the guide and interfaces with the guide through at least one bearing (page 8, lines 17-18; page 8, lines 20-22). A router has a vertical adjustment within one-thousandth of an inch and is mounted on the platform (page 9, lines 6-12; Figs. 6-7). The router has at least two hand grips and a speed adjustment and is adapted to receive a source of power. An end mill is mounted removably on the router (page 5, lines 7-9; page 5, lines 12-14; Fig. 8). A vacuum fitting is mounted on the platform (page 6, lines 6-8; Fig.). An operator adjusts the

router vertical adjustment for a desired depth-of-cut and moves the platform continuously along the guide to make a desired cut, and removes debris via the vacuum fitting (page 5, lines 25-29; page 6, lines 6-10).

SUMMARY

Per the Office Communication, Applicant is not filing an entire new brief. If any issues remain regarding the Appellants' Appeal Brief, the Examiner is invited to contact the undersigned attorney for the Appellants via telephone.

Respectfully submitted,



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